Such an effect may brown wants as a Permi E CALCO PRODUCTION STATE BODGES ACTIVAL & STORES.

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ial Growth Factor Uprequises the Expression of Nitric in Native and Cultured Endothelial Cells

yne B Schin-Aeren, Rusi: Busse, Zentrum oer Physiologie, Franklus Am

POWER FECTOR (VEGF) has been shown to accelerate re-endotheration I BECOMING IN DESCON-VILIDO STATUS. SINCE STICOPUSE/MOSTINGE I LAS STICOSTI PLANCES GROWN, WE MAKED WHATHER VEGF STATUSHES HERE OF is. Experiments were sentented with primary cultures of historia del calls (MLVEC) and with processure-ross rat acres mays. Note on s. and NOS III ed by RT-PCR and Western Stot Share on of CGMP in MUVEC and encoherum-dependent restrators in 'NEC to VEGF185 (100 roym) to 48 a lead to an increase in NOS III and in the basis level of GGAP (2.2 0.5 tota) whereas that exceed by (SVP) was unaffected. VEGF treatment excremes in a const CS III milital towar within 2 is which refrained downless for the heat 48 h. I of VEGF on NOS B mRNA was attached by prose and erbetten A) and was not prevented by the inhabitr of transcription sure of sortic range to VEGF for 7 h scenar AND INCOME. ress from to SNP were unaffected incremed levels of HOS III ere tound in VEGF-treams acres rings. These findings indicate that VEGF expression in name and cultural encomise calls. This effect is missioned nume-decomposed (safeway(s) and seams to be due to the state most generator of endotrellal nero code may contribute to the projective THE PERSON NAMED IN COLUMN

Jistion of Pin. A Protein inhibitor of Neuronal Nitric Oxide **Legacia**

Michael T Greenwood, Quasim El-Dwan, Yang Guo, McGill University.

symmetric (nNOS) has been located to the inner membrane of shallest SCULAR DYSTOCKY. INVOS 4 MISSICIALIZED TO THE CYCERO AND ASS DE gress of the casema. A process renders of nHOS (PHM) which specific vents in NOS dimensions has recently been cloned. The 89 residue PIN. regulate the biochemical activity of in NOS. We have, therefore, examined. analysis. The distribution and requision PIN transcript in stated authoropics conditions where nNOS expression has been sh A was consisted in time invasions of normal rate but the highes sever of and in some in muscle which has the cover MOS expression. In the -OS and PIN expressors were deand developmental regulation. In endotoments rate (20 mg/kg Econ OS and PIN expressions were energied in time musicise within 12 hours of We further examined the level of PIN and nNOS in the moute myol growing myoblast, significant PIN mRNA expression was descriarred tollowing the induction of myobiast fusion and in the mature sure indicate that PIN to expressed in versus states insiches in in-invo and and its expression correlates with that of INIOS Moreover PIN mRNA ; in optiological conditions such as sectic shock.

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arteron Regulatory Factor-1 and Nuclear Factor it B During S Transcription

; Zaragoza, Audrey, McMélan, Charles J Lowerstein, Johns Hookins.

2000 synthese (PIOS) is expressed in a variety of inflammatory discrears in system, and MOS expression is required at the transcriptional level. We ACLES been for the synargenic reduction of the MOS game exceled by TNF-co and IFN-y accounts NF-c B and IRF-1 in macroproper, and these transcripe heaty to the κ 8 and the IPE size in the NOS provider. To make NOS you that IPF-1 and N- κ 8 makes who each other. Co-minuspropriation that IRF-1 and IRF-e & are bound to each other erry in standard code shall experiments show that IRF-1 and INF-ic & steamen whose tending to DNA region. The proteins bound to a x 8 ste stoude not only NF-x 8 to HRF-1. Sensionly, the proteins bound to an HRE sale ficture to act only \$15.1 These results demonstrate the executes of a physical electron to e in wio. To explore the functional conweres of the maracher) NF-ic B , we examined their ability to affect the structure of the MOS areacroscon factors dissort promoter DNA structure at the site of binding by



Aerosel Mitric Oxide Synthese Gene Transfer in Acula Hypoxic Pulmonary

Werner Buds, Carolec Unit, Lauven Belgium; Zangssen, Nong, VIB. Lauven Belgium; Nazzecka ran Pet, Carous: Unit, Lauven Belgium: Rick, Lyons, Univ of New Maxico, Albuqueraus, Mit. Robert D Gerard, VIB. Lauven Bergum: Staten Janesens, Carolac Unit, Lauven Bergum

Netic cause (NO), a vancoustor showed in the regulation of pulmonary vascular time, a symmetrical by a cases of enzymes. NO symmetrics (NOS), We have providually shown that ed overexpression of the calcium-dependent type III NOS in rat lungs reduces STATE PROCESS PLETCHERY VENCESPECTOR. TO QUENTERS THE GIVE AND QUESTION OF NO STOCKED totowng NOS gene transist, we manused scheel NO by chemium regions in ISE blinded with attentions expressing the calcum-manuscream type II NOS (4x10° plumi. ==7), type III NOS (mile), or control virus expressing no transporte (ASRRS, n=7). Exhanci NO with secretaria in NOS 8-infected rate companies to NOS-18-infected rate at 24 h (55 ppb vs 47 ppb). 4 d (52 ppb vs 36 pool, and 7 d (31 pool vs 22 pool, but no longer at 10 d. The levels of NO in AdRRS. interest rate were separately lower at all time some (19± 8 pco at 24 h, 6± 3 pco at 4 6 acd 7± 1 pco at 7 d). To investigate whether increased purnonary NO production after NOS III game ter was associated with greater whichen of hypotes pustonery values of paraphary presy pressure (PAP, mintro) was measured during acuse syptoms (PIO₂ =0,10, 25 mint us rate 4 d after exection with NOS II (n=7), NOS III (n=6), or control wints (n=6). Acuse PAPORE INCREMENT PAP from 192 4 to 212 5 mining in NOS II-ministed rate co. many in NOS Bi-intected and 25th 2 many in control virus-intected right with no significa nic blood pressure. Thus, surrovery HOS & game executor significantly store pusitionary exhaust NO production for at least 7 days and 4 associated with 8 great STEEDS. Single INTERNATIONARY MOS II game transfer may of street feetings authorists visioners to a promising therapy for puriously hyperbrach.

Intercouncil Review:

Angiogenesis and Cell Proliferation: Wednesday Moming Convention Center Room 104A-B Abstracts 3079 - 3088

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A Murine Model of Accelerated Dishetic Atheroacterosis: Suppression By Soluble Receptor For Advanced Glycation Endproducts

Lase Park, Kathasen G Raman, Kennath J Lee Yan Lu, Michael D Ginsbart, Luis Ferran Jr. David M Stern, Arm Marie Schmidt, Columbia University, New York, MY

Multiple studies suggest that find-independent mechanisms contribute to the development of cardiovascular disease in displays. Under conditions of sustained hypergrycerina, nonenzymatic glycation and dissistion of growins and tools results in the interventible formation of Advanced Gycanon Enginosicis (AGEs) which accumulate in diabatic plasme and testings. AGEs in with column receptors such as RAGE, the Receptor for AGEs, and induce visious real dysturction. The extraculturar portion of RAGE (one v-type and two C-type ammunopiotatin committee is a souther tragment (sRAGE) which we costuste may fund AGEs and block their STREET, with annual recommend of ACC - resident appropriation E deficient into the contract. on of RAGE in the controls, with embancial accumulation of AGEs and increased expres VIRGINIUS by INVINIUS DESCRIPTION. To last if biochasts of AGE-RAGE would make and atheroscources, diabetic and E deficient mice were treated for tax weathy with SRAGE (20s) groay, intrapambheady) or equimosar mouse serum albumin (40s) groay MSA). DO, area was opposited 1 8-but (p=0.016) in mice wasted with sRACE (150,046s 18.549 µ m⁴) vs MSA (271.006; 16.721 u m³). No ofference was observed at a ID of 3μ galay; annumbed ann-ameroperic effects were observed with higher doses of 30-40 μ or our yeary, environment are-environment entered were observed with ingried doses of 30-40 pt groups. Sense serving guesses and MpA_{1C} several revealed parameters and ingressystems in later groups. There were no differences in several of total choseners and ingressing, and FPLC analysis yeared observed light profiles. Taken together, these data suggest that enhanced AGE-RAGE enteraction likely plays a critical rice in the pathogenesis of accessment atheroserosis is

Essential Role of Endothelial Nitric Oxide Synthese in Angloguesia in Vivo

Toyoste Murchera, Takundo Asshera, Marcy Sher, Manarme Keerney, Maraddh Magner, Jihong Yang, Donghai Chen, Donglen Chen, James F Symes, St Elizabeth's Medical Coster Bosson, MA: Paul L Hueng, Massacrusetts General Hospital, Bosson, MA: Jelliny M lener, St Elizabeth's Medical Cerrer, Bosson, MA

Civalation supplements 1997 Abyliat 3079

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